Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

Claims 1-12 (Canceled).

1   Claim 13 (New). A computer implemented method for creating,
2   formatting or editing a database for representing a three dimensional
3   physical environment where a wireless communications network may be
4   deployed, comprising the steps of:
5   a) accepting at least one raster image representing a physical
6   environment in which an in-building or campus communications network
7   is or will be deployed;
8   b) verifying the sufficiency of said at least one raster image to
9   provide a useful definition of said three dimensional physical environment
10 and notifying a user of results of said verification of sufficiency, said
11 verifying step producing a verified set of data defining said three
12 dimensional physical environment, wherein said verifying the sufficiency
13 step includes scaling said at least one raster image;
14 c) using the resulting verified set of data to generate at least one
15 formatted drawing or a set of formatted data which includes at least one or
16 more objects for use in a communications engineering or network
17 management application; and
18 d) rendering a three dimensional view representative of said
19 physical environment.

1   Claim 14 (New). The method of claim 13 wherein said notifying
2   performed in said verifying and notifying step is performed in an automatic
3   fashion without feedback being provided to the user.

1 Claim 15 (New). The method of claim 13 wherein said notifying
2 performed in said verifying and notifying step is performed by prompting
3 the user and, when required to provide said useful definition, requires the
4 user to correct any insufficiencies in response to an insufficiency
5 notification.

1 Claim 16 (New). The method of claim 13 wherein said communications
2 engineering or network management application is selected from the group
3 consisting of one or more of wireless propagation prediction, measurement
4 tools, component placement or layout visualization tools, optimization
5 tools, bill of materials generating tools, and network performance
6 management or prediction tools.

1 Claim 17 (New). The method of claim 13 further comprising the step of
2 adding or deleting at least one object in said at least one formatted drawing
3 or said set of formatted data.

1 Claim 18 (New). The method of claim 13 further comprising the step of
2 editing at least one object in said at least one formatted drawing or said set
3 of formatted data.

1 Claim 19 (New). The method of claim 13 further comprising the step of
2 moving at least one object in said at least one formatted drawing or said set
3 of formatted data.

1 Claim 20 (New). The method of claim 13 further comprising the step of
2 removing extraneous objects from said at least one raster image.

1 Claim 21 (New). The method of claim 13 further comprising the step of
2 tracing and adding a traced object to said at least one formatted drawing or
3 said set of formatted data.

Claim 22 (New). The method of claim 21 wherein either or both of said steps of tracing and adding are performed before said verifying step.

Claim 23 (New). The method of claim 13 further comprising modifying at least one of electrical properties, physical properties, aesthetic properties, and spatial configurations of at least one object.

Claim 24 (New). The method of claim 23 further comprising the step of moving an object in said set of formatted data or said at least one formatted drawing.

Claim 25 (New). The method of claim 13 further comprising the step of editing or modifying an object in said set of formatted data or said at least one formatted drawing.

Claim 26 (New). The method of claim 13 further comprising the step of removing extraneous objects from said one or more objects.

Claim 27 (New) The method of claim 13 further comprising the step of tracing and adding data representing a traced object.

Claim 28 (New). The method of claim 13 further comprising the step of adding measurements to said at least one formatted drawing or said set of formatted data.

Claim 29 (new). The method of claim 13 further comprising the step of adding measurements to said verified set of data.

Claim 30 (new). The method of claim 13 further comprising the step of specifying or invoking a propagation model for performing predictions of performance.

1   Claim 31 (new). The method of claim 13 further comprising the step of

2   specifying or invoking a listing of communications equipment.

1   Claim 32 (new). The method of claim 13 further comprising the steps of

2   tracing and representing a traced object in a scaled database model of the

3   physical environment.

1   Claim 33 (new). The method of claim 13 wherein said set of formatted

2   data or said at least one formatted drawing generated in said using step is

3   in a form transportable to and usable by one or more communications

4   engineering or network management applications.

1   Claim 34 (new). The method of claim 13 further comprising the step of

2   prompting a user to enter information required to verify there is sufficient

3   information to produce said verified set of data.

1   Claim 35 (New). The method of claim 34 wherein said prompting is

2   automatic or implicit.

1   Claim 36 (New). The method of claim 13 wherein said verified set of

2   data, or said at least one formatted drawing, or said set of formatted data is

3   transportable between users or between one or more engineering design or

4   management applications.

1   Claim 37 (new). A computerized system for creating, formatting or editing

2   a database for representing a three dimensional physical environment

3   where a wireless communications network may be deployed, comprising:

4   a) means for accepting at least one raster image representing a

5   physical environment in which an in-building or campus communications

6   network is or will be deployed;

7   b) means for verifying the sufficiency of said at least one raster

8   image to provide a useful definition of said three dimensional physical

9   environment and notifying a user of results of said verification of

10   sufficiency, said means for verifying producing a verified set of data

11   defining said three dimensional physical environment, wherein said means

12   for verifying includes a means for scaling said at least one raster image;

13   c) means for using the resulting verified set of data to generate at

14   least one formatted drawing or a set of formatted data which includes at

15   least one or more objects for use in a communications engineering or

16   network management application; and

17   d) means for rendering a three dimensional view representative of

18   said physical environment.

1   Claim 38 (New). The computerized system of claim 37 wherein said

2   notifying performed in said means for verifying and notifying is performed

3   in an automatic fashion without feedback being provided to the user.

1   Claim 39 (New). The computerized system of claim 37 wherein said

2   notifying performed in said means for verifying and notifying is performed

3   by prompting the user and, when required to provide said useful definition,

4   requires the user to correct any insufficiencies in response to an

5   insufficiency notification.

1   Claim 40 (New). The computerized system of claim 37 wherein said

2   communications engineering or network management application is

3   selected from the group consisting of one or more of wireless propagation

4   prediction, measurement tools, component placement or layout

5   visualization tools, optimization tools, bill of materials generating tools,

6   and network performance management or prediction tools.

Claim 41 (New). The computerized system claim 37 further comprising means for adding or deleting at least one object in said at least one formatted drawing or said set of formatted data.

Claim 42 (New). The computerized system of claim 37 further comprising means for editing at least one object in said at least one formatted drawing or said set of formatted data.

Claim 43 (New). The computerized system of claim 37 further comprising means for moving at least one object in said at least one formatted drawing or said set of formatted data.

Claim 44 (New). The computerized system of claim 37 further comprising means for removing extraneous objects from said at least one formatted drawing or said set of formatted data.

Claim 45 (New). The computerized system of claim 37 further comprising means for tracing and adding a traced object to said at least one formatted drawing or said set of formatted data.

Claim 46 (New). The computerized system of claim 45 wherein said means of tracing and adding performs either or both tracing or adding before verifying with said means for verifying.

Claim 47 (New). The computerized system of claim 45 further comprising at least one of means for specifying or invoking a propagation model for performing predictions of performance, or means for specifying or invoking a listing of communications equipment.

Claim 48 (New). The computerized system of claim 37 further comprising means for modifying at least one of electrical properties, physical properties, aesthetic properties, and spatial configurations of at

4   least one object.

1   Claim 49 (New). The computerized system of claim 37 further

2   comprising means for moving an object in said set of formatted data or

3   said at least one formatted drawing.

1   Claim 50 (New). The computerized system of claim 37 further

2   comprising the step of editing or modifying an object in said set of

3   formatted data or said at least one formatted drawing.

1   Claim 51 (New). The computerized system of claim 37 further comprising

2   means for removing extraneous objects from said one or more objects.

1   Claim 52 (New) The computerized system of claim 37 further comprising

2   means for tracing and adding data representing a traced object.

1   Claim 53 (New). The computerized system of claim 37 further

2   comprising means for adding measurements to said verified set of data, or

3   at least one formatted drawing, or said set of formatted data.

1   Claim 54 (New). The computerized system of claim 37 further comprising

2   means for tracing and representing a traced object in a scaled database

3   model of the physical environment.

1   Claim 55 (New). The computerized system of claim 54 wherein said

2   means for tracing and representing performs either or both tracing or

3   representing before verifying with said means for verifying.

1   Claim 56 (new). The computerized system of claim 37 wherein said at

2   least one formatted drawing or said set of formatted data generated by said

3   means for using is in a form transportable to and usable by one or more

4   communications engineering or network management applications.

1   Claim 57 (new). The computerized system of claim 37 further comprising

2   means for prompting a user to enter information required to verify there is

3   sufficient information to produce said verified set of data.

1   Claim 58. The computerized system of claim 57 wherein said prompting

2   is automatic or implicit.

1   Claim 59. The computerized system of claim 37 wherein said verified set

2   of data, or said at least one formatted drawing, or said formatted data is

3   transportable between users or between one or more engineering design or

4   management applications.

1   Claim 60 (New). An apparatus for creating, formatting or editing a

2   database for representation of a three dimensional physical environment

3   where a communications network may be deployed, comprising:

4   means for accepting at least one raster image representing a

5   physical environment in which an in-building or campus communications

6   network is or will be deployed;

7   means for verifying the sufficiency of said at least one raster image

8   to provide a useful definition of said three dimensional physical

9   environment and notifying a user of results of said verification of

10   sufficiency, said means for verifying producing a verified set of data

11   defining said three dimensional physical environment and including at

12   least one or more objects, said means for verifying provides scaling of said

13   at least one raster image;

14   means for using the resulting verified set of data in an engineering

15   planning or network management application to perform one or more of

16   wireless propagation prediction, wireless system engineering design, and

17 wireless network management; and

18   means for rendering a three dimensional view representative of said

19 physical environment.

1 Claim 61 (New). The apparatus of claim 60 further comprising means for

2 removing extraneous objects from said one or more objects.

1 Claim 62 (New). The apparatus of claim 60 further comprising means for

2 inputting existing raster data, vector data, vectors, drawings, or drawing

3 objects which either partially or fully describe said three dimensional

4 physical environment.

1 Claim 63 (New). The apparatus of claim 60 further comprising a means

2 for grouping at least one object into one layer.

1 Claim 64 (New). The apparatus of claim 60 further comprising a means

2 for adjusting partition colors, physical properties, electrical properties,

3 aesthetic properties, or spatial configurations of at least one object.

1 Claim 65 (New). The apparatus of claim 60 further comprising a means

2 for prompting a user to enter information required to verify that there is

3 sufficient information to produce said verified set of data.

1 Claim 66 (New). The apparatus of claim 65 wherein said means for

2 prompting is automatic or implicit.

1 Claim 67 (New). The apparatus of claim 60 further comprising a means

2 for scaling or designating dimensions of one or more objects.

1 Claim 68 (New). The apparatus of claim 60 wherein notifying performed

2 by said means for verifying and notifying is performed in an automatic

3 fashion without feedback being provided to the user.

Claim 69 (New). The apparatus of claim 60 wherein notifying performed by said means for verifying and notifying is performed by prompting the user and, when required to provide said useful definition, requires the user to correct any insufficiencies in response to an insufficiency notification.

Claim 70 (New). The apparatus of claim 60 wherein said engineering planning or network management application is selected from the group consisting of wireless propagation prediction, measurement tools, component placement or layout visualization tools, optimization tools, bill of materials generating tools, and network measurement performance or prediction tools.

Claim 71 (New). The apparatus of claim 60 wherein said verified set of data is transportable between users or between one or more engineering design or management applications.

Claim 72 (New). The apparatus of claim 60 further comprising means for specifying or invoking a propagation model for performing predictions of performance.

Claim 73 (New). The apparatus of claim 60 further comprising a means for specifying or invoking a listing of communications equipment.

Claim 74 (New). An apparatus for creating, formatting or editing a database representation of a three dimensional physical environment where a communications network may be deployed, comprising:
means for accepting at least one raster image representing a physical environment in which an in-building or campus communications network is or will be deployed;

7   means for verifying the sufficiency of said at least one raster image

8   to provide a useful definition of said three dimensional physical

9   environment and notifying a user of results of said verification of

10   sufficiency, said means for verifying produces a verified set of data

11   defining said physical environment containing at least one or more objects,

12   said means for verifying provides scaling of said at least one raster image;

13   means for generating an editable drawing from said verified set of

14   data, said editable drawing being in a form transportable to and usable by

15   or within a communications engineering or network management

16   application; and

17   means for rendering a three dimensional view representative of said

18   physical environment.

1   Claim 75 (New). The apparatus of claim 74 further comprising a means

2   for adding one or more objects to said editable drawing.

1   Claim 76 (New). The apparatus of claim 74 further comprising means for

2   modifying one or more of electrical properties, physical properties,

3   aesthetic properties, and spatial configurations of one or more objects

4   within said editable drawing.

1   Claim 77 (New). The apparatus of claim 74 further comprising a means

2   for grouping at least some of said one or more objects into one editable

3   layer.

1   Claim 78 (New). The apparatus of claim 74 wherein said notifying

2   performed by said means for verifying and notifying is performed in an

3   automatic fashion without feedback being provided to the user.

1   Claim 79 (New). The apparatus of claim 74 wherein said notifying

2   performed by said means for verifying and notifying is performed by

3 prompting the user and, when required to provide said useful definition,
4 requires the user to correct any insufficiencies in response to an
5 insufficiency notification.

1 Claim 80 (New). The apparatus of claim 74 wherein said engineering
2 planning or network management application is selected from the group
3 consisting of wireless propagation prediction, measurement tools,
4 component placement or layout visualization tools, optimization tools, bill
5 of materials generating tools, and network management or prediction
6 tools.

1 Claim 81 (New). The apparatus of claim 74 further comprising a means
2 for editing at least one of said one or more objects within said editable
3 drawing.

1 Claim 82 (New). The apparatus of claim 74 further comprising a means
2 for moving at least one of said one or more objects within said editable
3 drawing.

1 Claim 83 (New). The apparatus of claim 74 further comprising a means
2 for removing extraneous objects from said at least one raster image or from
3 said editable drawing.

1 Claim 84 (New). The apparatus of claim 74 further comprising a means
2 for tracing said at least one raster image or its scaled version and adding a
3 traced object to said editable drawing.

1 Claim 85 (New). The apparatus of claim 74 wherein said verified set of
2 data is transportable between users or between one or more engineering
3 design or management applications.

1   Claim 86 (New). The apparatus of claim 74 further comprising means for
2   adding measurements to said editable drawing.

1   Claim 87 (New). The apparatus of claim 74 further comprising means for
2   scaling said editable drawing.

1   Claim 88 (New). The apparatus of claim 74 further comprising means for
2   generating a bill of materials based on said editable drawing.

1   Claim 89 (New). The apparatus of claim 74 further comprising means for
2   specifying or invoking a propagation model for performing predictions of
3   performance.

1   Claim 90 (New). The apparatus of claim 74 further comprising a means
2   for specifying or invoking a listing of communications equipment.

1   Claim 91 (New). The apparatus of claim 84 wherein said means for
2   tracing and adding operate with said means for verifying.

1   Claim 92 (New). The apparatus of claim 74 further comprising a means
2   for prompting a user to enter information required to verify that there is
3   sufficient information to produce said verified set of data.

1   Claim 93 (New). The apparatus of claim 92 wherein said means for
2   prompting is automatic or implicit.

1   Claim 94 (New). The apparatus of claim 74 further comprising means for
2   adding or deleting at least one object of said one or more objects within
3   said editable drawing.

Claim 95 (New). A method for creating, formatting or editing a database defining a computerized representation of a physical environment in which an in-building or campus wireless communications network may be deployed which can be used in one or more communications engineering or network management applications, comprising the steps of:

accepting at least one raster image representing a physical environment in which an indoor wireless communications network may be deployed;

scaling the at least one raster image;

generating an editable drawing or database from said at least one raster image, wherein said editable drawing or database is transportable between users or between one or more engineering design or management applications;

adding one or more objects representing an entity of the physical environment to said editable drawing or database to create a modified drawing or database; and

using the modified drawing or database in a communications engineering or network management application where the representation of the physical environment is rendered in three dimensions.

Claim 96 (New). The method of claim 95 wherein said editable drawing is a vector drawing.

Claim 97 (New). The method of claim 95 further comprising the step of editing, moving, altering, or changing one or more of electrical properties, physical properties, aesthetic properties, and spatial configurations of one or more objects in said editable drawing or database.

Claim 98 (New). The method of claim 95 further comprising the step of defining at least one editable layer within said editable drawing or database, said one editable layer having one or more objects.

1   Claim 99 (New). The method of claim 95 further comprising the step of
2   scaling said editable drawing.

1   Claim 100 (New). The method of claim 95 further comprising the step of
2   specifying or invoking a propagation model for performing predictions of
3   performance.

1   Claim 101 (New). The method of claim 95 further comprising the step of
2   specifying or invoking a listing of communications equipment.

1   Claim 102 (New). An apparatus for creating, formatting or editing a
2   database defining a computerized representation of a physical
3   environment in which an in-building or campus wireless communications
4   network may be deployed which can be used in one or more
5   communications engineering or network management applications,
6   comprising:
7   means for accepting at least one raster image representing a
8   physical environment in which an indoor wireless communications
9   network may be deployed;
10   means for scaling the at least one raster image;
11   means for generating an editable drawing or database from said at
12   least one raster image, wherein said editable drawing or database is
13   transportable between users or between one or more engineering design or
14   management applications;
15   means for adding one or more objects representing an entity of the
16   physical environment to said editable drawing or database to create a
17   modified drawing or database; and
18   means for using the modified drawing or database in a
19   communications engineering or network management application where

20   the representation of the physical environment is rendered in three

21   dimensions.

1   Claim 103 (New). The apparatus of claim 102 wherein said editable

2   drawing is a vector drawing.

1   Claim 104 (New). The apparatus of claim 102 further comprising a means

2   for editing, moving, altering, or changing one or more of electrical

3   properties, physical properties, aesthetic properties, and spatial

4   configurations of one or more objects in said editable drawing or database.

1   Claim 105 (New). The apparatus of claim 102 further comprising means

2   for defining at least one editable layer within said editable drawing or

3   database, said one editable layer having one or more objects

1   Claim 106 (New). A method of creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising the steps of:

6   accepting at least one raster image representing a physical

7   environment in which an indoor wireless communications network may be

8   deployed;

9   scaling the at least one raster image;

10   generating an editable database from said at least one raster image;

11   defining at least one editable layer within said editable database

12   having one or more objects in said editable layer;

13   editing, moving, altering, or changing one or more of electrical

14   properties, physical properties, aesthetic properties, and spatial

15   configurations of said one or more objects within said editable layer within

16   said editable database; and

17   rendering a three dimensional view representative of said physical

18   environment in a communications engineering or network management

19   application.

1   Claim 107 (New). The method of claim 106 wherein said editable

2   database is transportable between users or between one or more

3   engineering design or management applications.

1   Claim 108 (New). A system for creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising:

6   means for accepting at least one raster image representing a

7   physical environment in which an indoor wireless communications

8   network may be deployed;

9   means for scaling the at least one raster image;

10   means for generating an editable drawing or database from said at

11   least one raster image;

12   means for defining at least one editable layer within said editable

13   database having one or more objects in said editable layer;

14   means for editing, moving, altering, or changing one or more of

15   electrical properties, physical properties, aesthetic properties, and spatial

16   configurations of said one or more objects within said editable layer within

17   said editable database; and

18   means for rendering a three dimensional view representative of said

19   physical environment in a communications engineering or network

20   management application.

1   Claim 109. The system of claim 108 wherein said editable database is
2   transportable between users or between one or more engineering design or
3   management applications.

1   Claim 110 (New). A method of creating, formatting or editing a database
2   defining a computerized representation a physical environment in which an
3   in-building or campus wireless communications network may be deployed
4   which can be used in one or more communications engineering or network
5   management applications, comprising the steps of:
6   accepting at least one raster image representing a physical
7   environment in which an indoor wireless communications network may be
8   deployed;
9   scaling the at least one raster image;
10   generating a three dimensional editable drawing or database from
11 said at least one raster image; and
12   adding measurement data to said editable drawing or database.

1   Claim 111. The method of claim 110 wherein said three dimensional
2   editable drawing or database is transportable between users or between one
3   or more engineering design or management applications.

1   Claim 112. A system for creating, formatting or editing a database
2   defining a computerized representation of a physical environment in which
3   an in-building or campus wireless communications network may be
4   deployed which can be used in one or more communications engineering
5   or network management applications, comprising:
6   means for accepting at least one raster image representing a
7   physical environment in which an indoor wireless communications
8   network may be deployed;
9   means for scaling the at least one raster image;

10   means for generating a three dimensional editable drawing or

11   database from said at least one raster image; and

12   means for adding measurement data to said editable drawing or

13   database.

1   Claim 113. The system of claim 112 wherein said three dimensional

2   editable drawing or database is transportable between users or between one

3   or more engineering design or management applications.

1   Claim 114 (New). A method of creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising the steps of:

6   accepting at least one raster image representing a physical

7   environment in which an indoor wireless communications network may be

8   deployed;

9   scaling the at least one raster image;

10   generating an editable drawing or database from said at least one

11   raster image;

12   tracing to produce a traced object;

13   adding said traced object to said editable drawing or database; and

14   rendering a three dimensional view representative of said physical

15   environment in a communications engineering or network management

16   application.

1   Claim 115 (New). The method of claim 114 wherein said editable drawing

2   or database is transportable between users or between one or more

3   engineering design or management applications.

1   Claim 116 (New). The method of claim 114 wherein said generating step

2   generates a vector file.

1   Claim 117 (New). A system for creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising:

6   means for accepting at least one raster image representing a

7   physical environment in which an indoor wireless communications

8   network may be deployed;

9   means for scaling the at least one raster image;

10   means for generating an editable drawing or database from said at

11   least one raster image;

12   means for tracing to produce a traced object;

13   means for adding said traced object to said editable drawing or

14   database; and

15   means for rendering a three dimensional view representative of said

16   physical environment in a communications engineering or network

17   management application.

18   Claim 118 (New). The system of claim 117 wherein said means for

19   generating generates a vector file.

1   Claim 119 (New). The system of claim 117 wherein said editable drawing

2   or database is transportable between users or between one or more

3   engineering design or management applications.

1   Claim 120 (New). A method of creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising the steps of:

6   accepting at least one raster image representing a physical

7   environment in which an indoor wireless communications network may be

8   deployed;

9   scaling the at least one raster image;

10   removing extraneous objects from said raster image; and

11   generating a three dimensional drawing or database from said at

12   least one raster image, said three dimensional drawing or database being

13   transportable between users or between one or more engineering design or

14   management applications.

1   Claim 121 (New). A system for creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising:

6   means for accepting at least one raster image representing a

7   physical environment in which an indoor wireless communications

8   network may be deployed;

9   means for scaling the at least one raster image;

10   means for removing extraneous objects from said raster image; and

11   means for generating an editable drawing or database from said at

12   least one raster image, said three dimensional drawing or database being

13   transportable between users or between one or more engineering design or

14   management applications.

1   Claim 122 (New). A method of creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising the steps of:

6   accepting at least one raster image representing a physical

7   environment in which an indoor wireless communications network may be

8   deployed;

9   scaling the at least one raster image;

10   removing extraneous objects from said at least one raster image;

11   verifying the sufficiency of said at least one raster image to produce

12   at least one verified raster image; and

13   generating an editable drawing or database from said at least one

14   verified raster image, said editable drawing or database including at least

15   one or more objects.

1   Claim 123 (New). The method of claim 122 further comprising the step of

2   editing, moving, altering, or changing one or more of electrical properties,

3   physical properties, aesthetic properties, and spatial configurations of said

4   one or more objects within said editable drawing or database.

1   Claim 124 (New). The method of claim 122 further comprising the step of

2   rendering a three dimensional view representative of said physical

3   environment in a communications engineering or network management

4   application.

1   Claim 125 (New). The method of claim 122 wherein said editable drawing

2   or database is transportable between users or between one or more

3   engineering design or management applications.

1   Claim 126 (New). A system for creating, formatting or editing a database

2   defining a computerized representation of a physical environment in which

3   an in-building or campus wireless communications network may be

4   deployed which can be used in one or more communications engineering

5   or network management applications, comprising:

6   means for accepting at least one raster image representing a

7 physical environment in which an indoor wireless communications

8 network may be deployed;

9   means for scaling the at least one raster image;

10   means for removing extraneous objects from said at least one raster

11 image;

12   means for verifying the sufficiency of said at least one raster image,

13 said means for verifying producing at least one verified raster image; and

14   means for generating an editable drawing or database from said at

15 least one verified raster image, said editable drawing or database including

16 at least one or more objects.

1 Claim 127 (New). The system of claim 126 further comprising means for

2 editing, moving, altering, or changing one or more of electrical properties,

3 physical properties, aesthetic properties, and spatial configurations of said

4 one or more objects within said editable drawing or database.

1 Claim 128 (New). The system of claim 126 further comprising means for

2 rendering a three dimensional view representative of said physical

3 environment in a communications engineering or network management

4 application.

1 Claim 129 (New). The system of claim 126 wherein said editable drawing

2 or database is transportable between users or between one or more

3 engineering design or management applications.